CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2008 Certified Company

JAS-ANZ
ISO 9001:2000 CERTIFIED

Name of Work: Improvements to roads and drains at 18th A cross Bagalagunte in Ward No. 14, BBMP, Bangalore.

Name of Client	:	**Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
Contractor/Agency	:	**Sri. L. Raghunandan,** Contractor, Bangalore.
Total Cost	:	Rs. 50.00 Lakhs
Date of Inspection	:	28.12.2017
In the Presence of	:	(a) **Assitant Engineer (W. No. 14),** BBMP, Bangalore.
	:	(b) **Mr. Mohan G**. Senior Engineer M/s Civil Quality Consultants And Engineeras, Bangalore.

3rd Party Compliance Report

Sl.No	Description of the Item		Comments / observations
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	:	Work done up to the billed quantity and Quality is satisfactory
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,	:	Work done up to the billed quantity and Quality is satisfactory
3	KSRRB M2200-5.9. Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 - i) Upto 5 m height.	:	Work done up to the billed quantity and Quality is satisfactory

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4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	:	Work done up to the billed quantity and Quality is satisfactory
5	Providing and laying pre-cast draincover slab of 100mm thickness in CM 1:3 including all materials, labour charges , curing, transpotation, loading, unloading etc.,	:	Work done up to the billed quantity and Quality is satisfactory
6	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.	:	Work done up to the billed quantity and Quality is satisfactory
7	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3	:	Work done up to the billed quantity and Quality is satisfactory
8	KSRRB M400-7. Construction of granular sub-base by providing Coarse graded crushed stone aggregates of granite / trap / basalt material, speading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to	:	Work done up to the billed quantity and Quality is satisfactory
9	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform	:	Work done up to the billed quantity and Quality is satisfactory

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10	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No.	:	Work done up to the billed quantity and Quality is satisfactory
11	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the	:	Work done up to the billed quantity and Quality is satisfactory
12	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per	:	Work done up to the billed quantity and Quality is satisfactory
13	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling	:	Work done up to the billed quantity and Quality is satisfactory

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Authorised Signatory

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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